



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/595,739	06/16/2000	Didier Doyen	RCA 90, 222	1657

7590 03/14/2003  
Joseph S Tripoli  
Patent Operations  
Thomson Multimedia Licensing Inc-CN 5312  
Princeton, NJ 08543-0028

EXAMINER

RAO, ANAND SHASHIKANT

ART UNIT PAPER NUMBER

2613

DATE MAILED: 03/14/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/595,739

Applicant(s)

DOYEN ET AL.

Examiner

Andy S. Rao

Art Unit

2613

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on 16 June 2000.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2. 6) ☐ Other: \_\_\_\_\_

Art Unit: 2613

## DETAILED ACTION

### *Specification*

1. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-14 are rejected under 35 U.S.C. 102(e) as being anticipated by Reitmeier.

Reitmeier discloses a process for coding compressed video data streams relating to the transmission of streams adapted to the switching of programs (Reitmeier: figures 2-3), wherein data relating to the pictures of the various programs are detected from the compressed video data streams (Reitmeier: column 3, lines 20-25) so as to be copied, processed, re-encoded (Reitmeier: column 6, lines 10-23), and then inserted into each of these streams, as appended data, to obtain the adapted streams (Reitmeier: column 4, lines 30-42), as in claim 1.

Regarding claims 2-3, Reitmeier discloses that the appended data are copied on the basis of intra and inter information (Reitmeier: column 5, lines 24-35), as in the claims.

Art Unit: 2613

Regarding claim 4, Reitmeier discloses reducing the resolution of the images extracted (Reitmeier: column 6, lines 10-15), as in the claims.

Regarding claim 5-6, Reitmeier discloses that the appended data is complementary data such as the name of the program or start or end time of a program (Reitmeier: column 15, lines 10-20), as in the claim.

Regarding claim 7, Reitmeier discloses that the appended information is used for the creation of mosaic (Reitmeier: column 16, lines 30-55) or of an interactive program guide (Reitmeier: column 15, lines 10-20), as in the claim.

Regarding claims 8-9, Reitmeier discloses the use of an MPEG-2 (Reitmeier: column 3, lines 1-5) or MPEG-4 type stream (Reitmeier: column 4, lines 8-17), as specified.

Regarding claim 10, Reitmeier discloses automatic switching of programs (Reitmeier: column 3, lines 25-30), as in the claim.

Regarding claim 11, Reitmeier discloses a PIP mode (Reitmeier: column 4, lines 29-42), as in the claim.

Regarding claim 12, Reitmeier discloses storing the appended data of intra type programs other than the selected program (Reitmeier: column 7, lines 39-60), as specified.

Regarding claim 13, Reitmeier discloses a device for switching a television program, including a circuit for detecting the appended data (Reitmeier: column 3, lines 60-65); a circuit for storing the data (Reitmeier: column 7, lines 35-40); a circuit for selecting the stored data on the basis of a remote control (Reitmeier: column 3, lines 5-10); a circuit for decoding the selected data (Reitmeier: column 6, lines 20-25); and a switching receiving the output from the

Art Unit: 2613

decoder of the current data and output from the decoder (Reitmeier: column 6, lines 1-10), as in the claim.

Regarding claim 14, Reitmeier discloses a device comprising a circuit for detecting and copying data relating to the images of various available programs (Reitmeier: column 7, lines 39-48), as in the claim.

### *Conclusion*

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Shimoji discloses a digital broadcasting system. Gordon discloses a picture and picture and multiple video streams using sliced based encoding. Shiga discloses an electronic program guide system.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andy S. Rao whose telephone number is (703)-305-4813. The examiner can normally be reached on Monday-Friday 8 hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris S. Kelley can be reached on (703)-305-4856. The fax phone numbers for the organization where this application or proceeding is assigned are (703)-308-6606 for regular communications and (703)-308-6606 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)-305-4700.

Application/Control Number: 09/595,739

Page 5

Art Unit: 2613

Andy S. Rao  
Primary Examiner  
Art Unit 2613

**ANDY RAO**  
**PRIMARY EXAMINER**

asr

March 10, 2003